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H

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

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1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENT, CONTACT THE ESM CIVIL POC.

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2. LOCATION AND DETAILS OF STEAM/CONDENSATE TIE-IN AND MANHOLE SHALL BE APPROVED BY THE LANL UTILITIES GROUP STEAM SYSTEM REPRESENTATIVE.

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3. STEAM MANHOLE:

A. PROVIDE A CONCRETE MANHOLE WITH A SOLID CONCRETE BOTTOM AND AN OPEN GRATING COVER. WITHIN THE GRATING PROVIDE A 3 FOOT BY 2 FOOT CLEAR OPENING FOR LADDER ACCESS. OPEN GRATING AND HINGED COVER TO SET ON ANGLE IRON FLUSH WITH MANHOLE TOP. AT MINIMUM, SUPPORT HINGED COVER UNDER HINGED SIDE AND SIDE OPPOSITE HINGE.

B. MANHOLE TO BE OF ADEQUATE SIZE TO ALLOW TWO PEOPLE COMFORTABLE WORK SPACE.

C. LADDER SHALL COMPLY WITH OSHA 29CFR 1910.27, FIXED LADDERS, AND/OR ANSI A14.2, SAFETY REQUIREMENTS FOR PORTABLE METAL LADDERS. LOCATE LADDER FOR CLEAR EGRESS AND EQUIPMENT ACCESS.

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4. REFER TO LANL CONSTRUCTION SPECIFICATION 02554, STEAM AND CONDENSATE DISTRIBUTION (SITE).

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DRAWING DEVELOPED FOR ML-3 PROJECTS. FOR ML-1/ML-2. ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACK-AGE).

1	8-14-03	U	EDITORIAL CHANGES.	RP	JG	MS	EH	TO
NO	DATE	CLASS	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
 <b>FACILITY &amp; WASTE OPERATIONS DESIGN ENGINEERING CONSTRUCTION SERVICES</b>								
<b>ENGINEERING STANDARDS MANUAL</b>				DRAWN R. PEARSON				
DESIGN				J. GONZALES				
CHECKED				M. SMITHOUR				
DATE				8-23-02				
BLDG X				TA-X				
SUBMITTED				APPROVED FOR RELEASE				
DISCIPLINE POC: GURNER GREWAL				STANDARDS MANAGER: TOBIN ORUCH				
 <b>Los Alamos NATIONAL LABORATORY</b>				PO Box 1663 Los Alamos, New Mexico 87545				
CLASSIFICATION U				REVIEWER LARRY BAYS		DATE		SHEET 2 OF 2
PROJECT ID				DRAWING NO		DATE		REV 1
CHAPTER 3				ST-G3040-1				